



Construction Activity Inspection

LP# 06-1003 Insp.# _____

www.murfreesborotn.gov/government

Planning & Engineering Dept.
City Hall, Second Floor
Murfreesboro, TN 37130
(615) 893-6441
Water and Sewer Dept.
(615) 848-3200

Name/Location: Thompsonboro Phase/Section: I File No.: 06-9521
Contractor: GRN Construction On-site EPSC rep.: Tad Hughes
Date: 8/15/06 Weather: [☒] Dry [☐] Wet Last Rainfall Date: _____ Amount _____ in
Is rep. knowledgeable of [☐] SWPPP [☐] design EPSC [☐] inspection requirements [☐] maintenance requirements?

General requirements & site conditions

- [☒] Yes [☐] No SWPPP is present on site and up-to-date.
[☒] Yes [☐] No Epsc are installed according to SWPPP.
[☒] Yes [☐] No Logbook is present showing inspections & epsc repairs.
[☐] Yes [☐] No EPSC rep. has attended TDEC epsc class.

Inspections and recordkeeping

- [☒] Yes [☐] No Frequency of inspections meets twice per week standard.
[☐] Yes [☐] No Inspections record epsc failures, inadequacies & repairs.
[☐] Yes [☐] No Log records dates of major grading, rainfall dates & totals.
[☐] Yes [☐] No Inspections include investigation of s/water drainage system.
[☒] Yes [☐] No Inspections include investigation of outfalls & discharge points.
[☐] Yes [☐] No TDEC weekly/quarterly insp. forms up to date & on site.
[☐] Yes [☐] No [☐] NA Records show changes to epsc from approved SWPPP.

Special issues

- [☒] Yes [☐] No [☐] NA TDEC buffer zone is protected.
[☒] Yes [☐] No [☐] NA City's water quality protection area is protected.
[☐] Yes [☐] No [☐] NA Work regulated under state ARAP is in process.
[☐] Yes [☐] No [☐] NA Parties do not agree on particular epsc responsibilities.
[☐] Yes [☐] No [☐] NA Lots at final grade have been temporarily stabilized.
[☐] Yes [☐] No Site has been sufficiently stabilized; LDP can be terminated.

Performance bond issues

- [☐] Yes [☐] No Stormwater conveyance systems _____ % complete.
[☐] Yes [☐] No Storm water conveyance system free of sediment.
[☐] Yes [☐] No Failure to install epsc: _____ % complete.
[☐] Yes [☐] No Record drawings of stormwater systems filed.

Inspector's comments

- [☐] Yes [☐] No [☐] NA Discharge points contain sediment.
[☐] Yes [☐] No [☐] NA Sediment loss to stream evident.
[☒] Yes [☐] No [☐] NA Discharge causing in-stream color contrast.
[☒] Yes [☐] No [☐] NA Sediment has been removed from streets.

Erosion prevention and sediment controls

EPSC	Compliance		
	NA	Y	N
Removal of vegetative cover < ten days prior to grading	[<input type="checkbox"/>]	[<input type="checkbox"/>]	[<input type="checkbox"/>]
Preconstruction epsc in place	[<input type="checkbox"/>]	[<input type="checkbox"/>]	[<input type="checkbox"/>]
Construction exit to standard	[<input type="checkbox"/>]	[<input type="checkbox"/>]	[<input type="checkbox"/>]
Inlet protections in place	[<input type="checkbox"/>]	[<input type="checkbox"/>]	[<input type="checkbox"/>]
Temporary erosion control in areas un-worked for 15 days	[<input type="checkbox"/>]	[<input type="checkbox"/>]	[<input type="checkbox"/>]
Epsc for stockpiled soils	[<input type="checkbox"/>]	[<input type="checkbox"/>]	[<input type="checkbox"/>]
Silt fence maintained and at < 50% capacity	[<input type="checkbox"/>]	[<input type="checkbox"/>]	[<input type="checkbox"/>]
Sediment controls maintained and at < 50% capacity	[<input type="checkbox"/>]	[<input type="checkbox"/>]	[<input type="checkbox"/>]
Sediment traps located and constructed correctly.	[<input type="checkbox"/>]	[<input type="checkbox"/>]	[<input type="checkbox"/>]
Sediment pond sized correctly.	[<input type="checkbox"/>]	[<input type="checkbox"/>]	[<input type="checkbox"/>]
Sediment pond outlet structure	[<input type="checkbox"/>]	[<input type="checkbox"/>]	[<input type="checkbox"/>]
Runoff is diverted around disturbed areas.	[<input type="checkbox"/>]	[<input type="checkbox"/>]	[<input type="checkbox"/>]
Less than 50 acres is disturbed at one time (phasing).	[<input type="checkbox"/>]	[<input type="checkbox"/>]	[<input type="checkbox"/>]
Slopes > 2.5:1 are stabilized with matting or e.c. blankets.	[<input type="checkbox"/>]	[<input type="checkbox"/>]	[<input type="checkbox"/>]
Concentrated flow areas stabilized w/matting or blankets	[<input type="checkbox"/>]	[<input type="checkbox"/>]	[<input type="checkbox"/>]
Muddy water from work areas treated prior to stream	[<input type="checkbox"/>]	[<input type="checkbox"/>]	[<input type="checkbox"/>]

You are hereby given notice to correct circled items by ____/____/____, and epsc violations within ____ hours. Continued non-compliance may result in citation, civil penalty and/or stop work order. Inspector tel. no.: _____

Report rec'd by: _____ Title (if applicable): _____

Inspector: _____ Date and Time: ____/____/____ at ____ : ____ am/pm

Original – Owner/Developer/Responsible Party

Yellow – City

Pink – On-site representative

Table of Murfreesboro and Tennessee Permit Requirements

Listed below are key provisions of Murfreesboro City Code, regulations and State of Tennessee requirements. Additional detail may be found at www.murfreesborotn.gov/government/water_sewer/stormwater.htm and at www.state.tn.us/environment/permits/conststrm.php. The abbreviation *epsc* refers erosion prevention and sediment controls.

	City Code	State CGP	Condition/Requirement
<input type="checkbox"/>	--	3.3.2	<u>The following to be posted at site entrance:</u> State NOC with pmt tracking no.; name of owner, operator or local contact person; description of project; location of SWPPP (should be available at site)
<input type="checkbox"/>	--	3.5.8.1	Inspectors on state-regulated projects must have completed the TDEC/UT <i>epsc</i> "Fundamentals" course or an equivalent course. Effective date, June, 2007. An engineer or landscape architect who prepared the SWPPP may also conduct the required inspections. Copy of the certification should be kept on site.
<input type="checkbox"/>	27 ½-5 (h)	3.5.8.2.	The Permittee shall conduct and record regular inspections of <i>epsc</i> for the purpose of preventing Erosion and transport of Sediment off the property to stormwater drainage system and to waters of the state. Inspections must address storm water drainage system; repairs & remedies of <i>epsc</i> ; whether construction is in compliance with approved plans; notes re: variations from approved plans or specs; and violations. State CGP adds that inspections shall address disturbed areas; <i>epsc</i> and their functionality; structural controls; materials storage areas exposed to rainfall; vehicle exits; outfalls and discharge points for evidence of sediment loss. Records shall include name and title of inspector(s), dates; major observations related to SWPPP implementation; places where sediment has left site and where <i>epsc</i> has/have failed or are inadequate.
<input type="checkbox"/>	27 ½-5 (h)(3)	3.5.8.2.	Permittee must inspect <i>epsc</i> at least twice per week , at least 72 hours apart. Portions of site temporarily stabilized may be inspected at a once per month frequency, provided a written request with justification has been submitted to the local TDEC office. Permittee must keep record book.
<input type="checkbox"/>	Priority Construction Activity	4.4.1	Impaired waters: Sinking Creek, Lytle Creek, Dry Branch, Bear Branch, unnamed trib to Bushman Creek, West Fork Stones River downstream of Lytle Creek (just south of Manson Pike), WFSR upstream of Middle Fork SR. For these watersheds, <i>epsc</i> designed to function in event of a 5-year, 24-hour storm. For drainage areas of five acres or more, sediment basin to contain runoff from a 5-year, 24-hour rain event; or equivalent control measures. Weekly <i>epsc</i> inspections to be certified on appendix C of the state's CGP. Records kept on site.
<input type="checkbox"/>	27 ½-7(e)(16)	3.5.3.1 d)	Clean-up of sediment that escapes site, prior to reaching waters of the state
<input type="checkbox"/>	EPSC Manual	3.5.3.2	Vegetative practices: Use of mulch [MU]; temporary vegetation [TS]; erosion control blanket or matting [MA]; sod [SO]; permanent vegetation [PS]; polyacrlamide [PAM]. Notes: MA to be used where slope is > 2.5:1 or in high flow channels (> 5 fps).
<input type="checkbox"/>	EPSC Manual	3.5.3.3	Structural practices: Check dam [CD]; construction exit [CE]; construction road stabilization [CRS]; dewatering structure [DW]; diversion [DI]; filter ring [FR]; gabion [GA]; geotextile [GE]; gradient treatment [GT]; riprap [RR]; sediment basin with wet pool and riser outlet[SB]; sediment trap [ST]; silt fence on contour, well entrenched and well staked, max. drainage area ¼ acre for every 100 feet [SF]; slope drain [SD]; storm drain inlet protection [IP]; storm drain outlet protection [OP]; surface roughening by mechanized equip. to provide rough texture to soils at final grade [SR]; stream diversion channel [SDC] for utility crossings, etc. (ARAP required); temporary stream crossing [TSC] (ARAP required); bioengineering stream bank stabilization [SBS].
<input type="checkbox"/>	--	State rule 1200-4-7	Persons who conduct any activity that involves the alteration of waters of the State require a state and possibly a federal permit. http://www.state.tn.us/environment/permits/arap.php
<input type="checkbox"/>	--	3.5.10	The state-required SWPPP must include documentation supporting a determination of permit eligibility with regard to waters that have an approved <u>TMDL</u> for a pollutant of concern.

Land Disturbance Permits issued by Building and Codes Department contain the following statements:

1. Selection and installation of erosion prevention and sediment controls shall correspond to the EPSC/SWPPP plan submitted to the City as a part of the Land Disturbance Permit application and approved by the City Engineering Department.
2. Installation, inspections and maintenance of EPSC shall comply with requirements set forth in Murfreesboro City Code, with respect to planning and design, as listed at City Code Chapter 27 ½ - 7 (d); and with respect to inspections and frequency of inspections, as listed at City Code Chapter 27 ½ - 5 (h).
3. Installation and maintenance of EPSC shall be accomplished according to standard practice as described in the City-adopted "Tennessee Erosion Prevention and Sediment Control Handbook – A Guide for Protection of State Waters through the use of Best Management Practices during Land Disturbing Practices."